Section 1
EXECUTIVE SUMMARY

The Source Recovery System (SRS) has been in operation since October 1993 as part of an interim remedial action at Operable Unit (OU) 2, Hill Air Force Base (AFB). The system has recovered over 26,000 gallons of dense non-aqueous phase liquid (DNAPL) to date. This report documents cost and performance of the SRS during the 1996 calendar year.

1.1 Report Objectives

The objectives for this annual cost and performance report for the SRS at Hill AFB are to:

- Summarize cost and performance parameters to provide the basis for future decision making regarding budget, operation, optimization, and timing to decommission the system; and
- Provide the project remediation data in accordance with the *Guide to Documenting Cost and Performance for Remediation Projects* (EPA, 1995) for comparison to other remediation systems.

1.2 Significant Operational Results

Table 1-1 summarizes noteworthy results from the SRS 1996 operating year.

Table 1-1
Significant SRS Operational Results 1996

Performance-Related Topic	Result
1996 Operation Cost	$380,928
Quantity of Groundwater Treated (gals)	2,581,381
Cost per 1,000 Gallons of Groundwater Treated	$147.57
Quantity of DNAPL Removed (gals)	1,084
Quantity of DNAPL Removed (lbs)*	13,212
Cost per Pound of DNAPL Removed	$28.83
Cumulative DNAPL Removed To Date (gals)	26,165
Average Steam Stripper Treatment Efficiency	99.6%
Comparison With Treatment Objectives	Met objectives
Comparison With Remedial Action Objectives	Met objectives

* Conversion based on TCE specific gravity = 1.466
Source: *Perry's Chemical Engineer's Handbook* (Perry, 1984)